FIG. 1

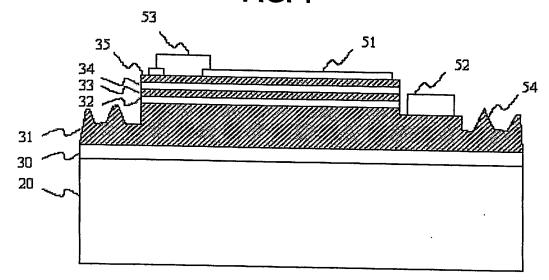
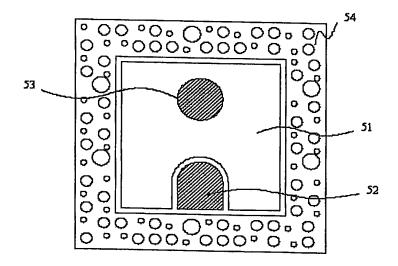


FIG. 2



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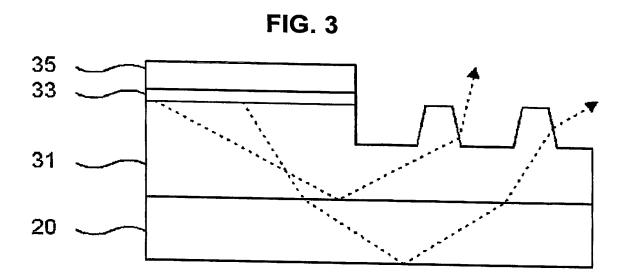
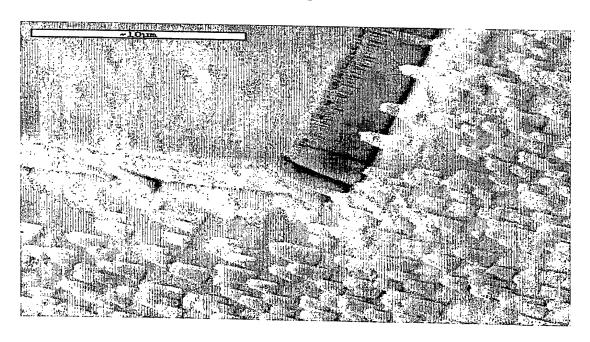


FIG. 4



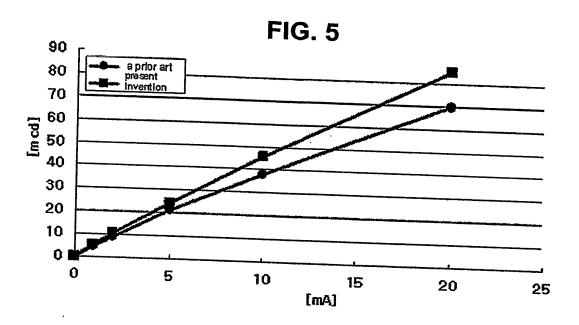


FIG. 6

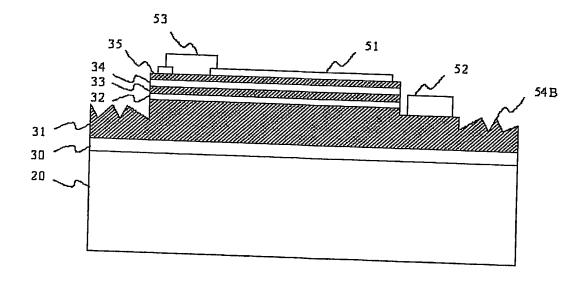


FIG. 7

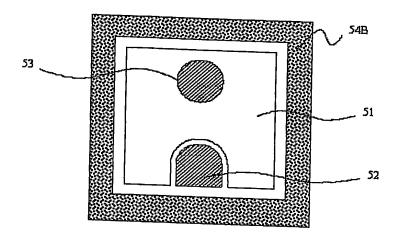


FIG. 8

40

Ec, Conduction band

Ef, Fermi level

Ev, Valance band



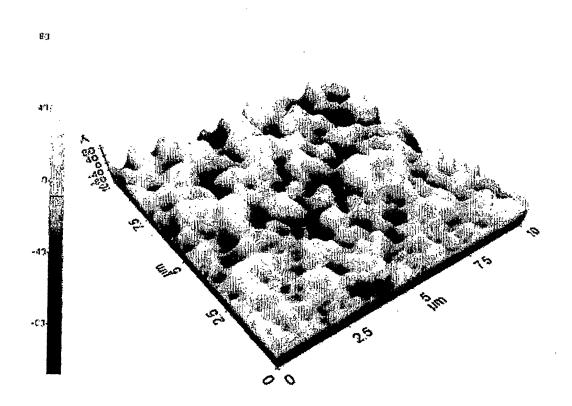


FIG. 10

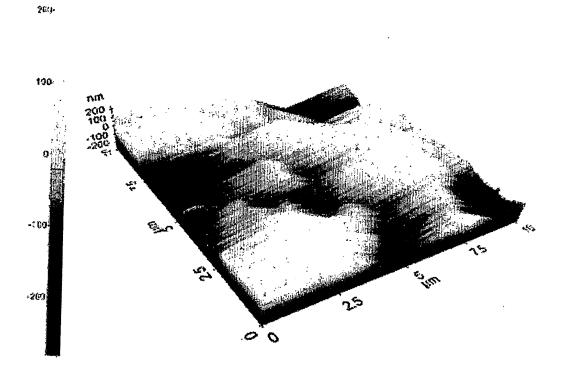


FIG. 11

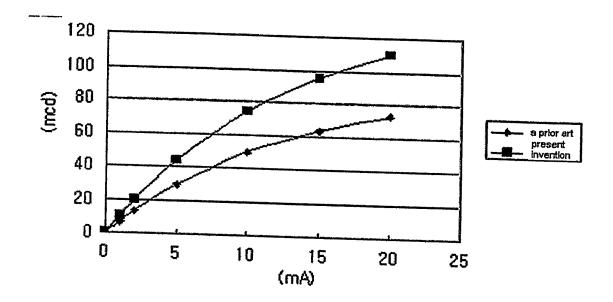


FIG. 12

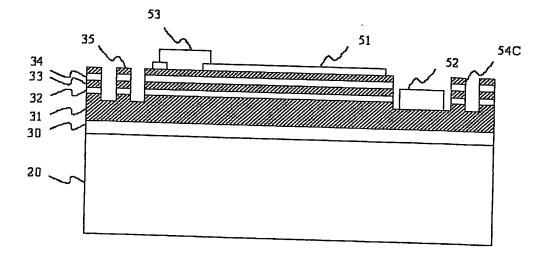


FIG. 13

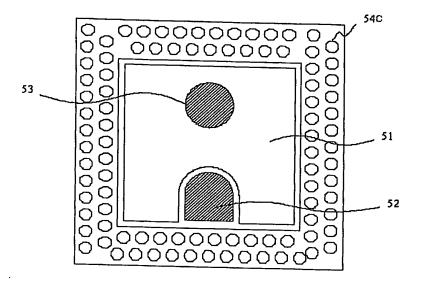


FIG. 14

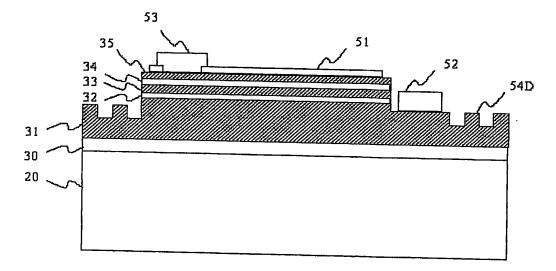


FIG. 15

